	Application No.	Applicant(a)	h_
	Application 110.	Applicant(s)	
Notice of Allowahility	10/083,856	ALLEN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Dah-Wei D Yuan	1745	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communication is subsection in the community of the communit	his application. If not included ication will be mailed in due co	l ourse, THIS
2. The allowed claim(s) is/are <u>1-8</u> .			
3. The drawings filed on 27 February 2002 are accepted by the	he Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application I	No	n from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a IENT of this application.	reply complying with the requi	irements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	itted. Note the attached EXAM es reason(s) why the oath or de	INER'S AMENDMENT or NOT eclaration is deficient.	TICE OF
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date	son's Patent Drawing Review (. s Amendment / Comment or in .84(c)) should be written on the c he header according to 37 CFR 1	the Office action of drawings in the front (not the ba	·
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 			te the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sum Paper No./Ma 98), 7. ☐ Examiner's Am	ail Date	,

Application/Control Number: 10/083,856 Page 1 of 3

Art Unit: 1745

AQUEOUS BASED ELECTROLYTE SLURRY FOR MCFC AND METHOD OF USE

Examiner: Yuan

S.N. 10/083,856

Art Unit: 1745

August 10, 2004

Detailed Action

1. The Applicant's amendment filed on June 14, 2004 was received. Claims 1,4,5 were amended. Claims 6-8 were added.

2. The text of those sections of Title 35, U.S.C. code not included in this action can be found in the prior Office Action issued on March 9, 2004.

Claim Rejections

3. The claim rejections under 35 U.S.C. 102(b) as anticipated by Bregoli et al. on claims 1,4 are withdrawn because both independent claims have been amended. The claim rejections under 35 U.S.C. 103(a) as obvious over Bregoli et al. on claim 2 are withdrawn because the independent claim 1 has been amended. The claim rejections under 35 U.S.C. 103(a) as obvious over Bregoli et al. and Okabe et al. on claims 3,5 are withdrawn because the independent claims 1,4 have been amended.

Reasons for Allowance

4. Claims 1-8 are allowed. The invention of independent claim 1 recites a method for providing a electrolyte to a molten carbonate fuel cell comprising the steps of preparing an aqueous-based slurry paste of electrolyte, said aqueous-based slurry comprising solid electrolyte particles dispersed in a carrier vehicle, (b) spreading the slurry paste into the flow channels of

Application/Control Number: 10/083,856

Art Unit: 1745

one or more bipolar plates, (c) drying the slurry paste, and (d) installing a current collector and electrode onto the flow channels of the bipolar plate. The closest prior art of record, Bregoli et al., teaches away the use of aqueous-based slurry as the electrolyte, because Bregoli et al. discloses the aqueous carrier is not suitable for use in the molten carbonate fuel cell. See Column 2, Lines 38-41. The invention of independent claim 4 recites a molten carbonate fuel ell comprising a cathode, an anode, and a packed bed of dried electrolyte, wherein the dried electrolyte is prepared by spreading an aqueous-based slurry of solid electrolyte particles dispersed in a carrier into at least one of the flow fields and drying the slurry. The closest prior art of record, Bregoli et al., teaches away the use of aqueous-based slurry as the electrolyte, because Bregoli et al. discloses the aqueous carrier is not suitable for use in the molten carbonate fuel cell.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dah-Wei D. Yuan whose telephone number is (571) 272-1295. The examiner can normally be reached on Monday-Friday (8:00-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (571) 272-1292. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent

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Art Unit: 1745

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Dah-Wei D. Yuan August 10, 2004

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